Applicant: Lin Zhi et al.
Serial No.: 10/080,926
Filed: February 22, 2002

AMENDMENTS TO THE CLAIMS:

Claims 1-17, 23-26, 30-52, 55, 57-63, 98 and 100-107 are pending. Claim 99 is cancelled herein without prejudice or disclaimer. Claims 1, 6, 9, 30, 34-37, 40-42, 46, 57, 59-61, 98, 105 and 107 are amended herein. This listing of claims will replace all prior versions, and listings of claims, in the application.

LISTING OF CLAIMS:

1. (Currently amended) A compound of the formula:

Attorney's Docket No.: 18202-017001 / 1081 Amendment and Response

Applicant: Lin Zhi et al. Serial No.: 10/080,926 Filed : February 22, 2002

wherein:

R¹ is selected from among hydrogen, F, Cl, Br, I, NO₂, OR¹², SR¹², SOR¹², SO₂R¹², $NR^{12}R^{12}$, substituted C_1 - C_8 alkyl, C_1 - C_8 haloalkyl and C_1 - C_8 heteroalkyl, wherein the haloalkyl and heteroalkyl groups are optionally substituted;

R² is selected from among F, Cl, Br, I, CF₃, CHF₂, CH₂F, CF₂Cl, CN, CF₂OR¹², CH₂OR, OR^{12} , SR^{12} , SOR^{12} , SO_2R^{12} , $NR^{12}R^{13}$, substituted C_1 - C_8 alkyl, C_1 - C_8 haloalkyl, C_1 - C_8 heteroalkyl, C2-C8 alkenyl and C2-C8 alkynyl, wherein the haloalkyl, heteroalkyl, alkenyl and alkynyl groups are optionally substituted;

R³ through R⁸ each independently is selected from among hydrogen, F, Cl, Br, I, OR¹², NR¹²R¹³, SR¹², SOR¹², SO₂R¹², C₁-C₂-alkyl, C₁-C₂-haloalkyl, C₁-C₂-heteroalkyl, C₂-C₂ alkynyl, C2-C8 alkenyl, aryl, heteroaryl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl, alkynyl, alkenyl, aryl, heteroaryl and arylalkyl groups are optionally substituted;

 R^3 is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_1 - C_6 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

R⁴ is selected from among hydrogen, F, Cl, Br, I, OR¹², NR¹²R¹³, SR¹², SOR¹², SO₂R¹², C₁-C₈ alkyl, C₁-C₈ haloalkyl, C₁-C₈ heteroalkyl, C₂-C₈ alkynyl, C₂-C₈ alkenyl, aryl, heteroaryl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl, alkynyl, alkenyl, aryl, heteroaryl and arylalkyl groups are optionally substituted;

R⁵ is selected from among hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

R⁶ is selected from among hydrogen, F, Cl, Br, I, OR¹², NR¹²R¹³, SR¹², SOR¹², SO₂R¹², C_1-C_8 alkyl, C_1-C_8 haloalkyl, C_1-C_8 heteroalkyl, C_2-C_8 alkynyl, C_2-C_8 alkenyl, aryl, heteroaryl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl, alkynyl, alkenyl, aryl, heteroaryl and arylalkyl groups are optionally substituted;

Applicant: Lin Zhi et al.

Attorney's Docket No.: 18202-017001 / 1081

Serial No.: 10/080,926

Amendment and Response

Serial No.: 10/080,926 Filed: February 22, 2002

 R^7 is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_1 - C_6 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

R⁸ is selected from among hydrogen, F, Cl, Br, I, OR¹², NR¹²R¹³, SR¹², SOR¹², SO₂R¹², C₁-C₈ alkyl, C₁-C₈ haloalkyl, C₁-C₈ heteroalkyl, C₂-C₈ alkynyl, C₂-C₈ alkenyl, aryl, heteroaryl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl, alkynyl, alkenyl, aryl, heteroaryl and arylalkyl groups are optionally substituted; or

R³ and R⁵ taken together form a bond; or

 R^5 and R^7 taken together form a bond; or

R⁴ and R⁶ taken together form a three- to eight-membered saturated or unsaturated carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring is optionally substituted; or

R⁶ and R⁸ taken together form a three- to eight-membered saturated or unsaturated carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring is optionally substituted;

 R^9 and R^{10} each independently is selected from among hydrogen, F, Cl, Br, I, CN, OR^{12} , $NR^{12}R^{13}$, $C_m(R^{12})_{2m}OR^{13}$, SR^{12} , SOR^{12} , SO_2R^{12} , $NR^{12}C(O)R^{13}$, C_1 - C_8 alkyl, C_1 - C_8 haloalkyl, C_1 - C_8 heteroalkyl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl and arylalkyl groups are optionally substituted;

R¹¹ is selected from among F, Br, Cl, I, CN, OR¹⁴, NR¹⁴R¹³, and SR¹⁴;

 R^{12} and R^{13} each independently is selected from the group of hydrogen, C_1 - C_8 alkyl, C_1 - C_8 haloalkyl, C_1 - C_8 heteroalkyl, C_2 - C_8 alkenyl, C_2 - C_8 alkynyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, alkenyl, alkynyl, heteroaryl and aryl groups are optionally substituted;

 R^{14} is selected from among hydrogen, C_1 - C_8 alkyl, C_1 - C_8 haloalkyl, C_1 - C_8 heteroalkyl, aryl, heteroaryl, $C(O)R^{15}$, CO_2R^{15} and $C(O)NR^{15}R^{16}$, wherein the alkyl, haloalkyl, heteroalkyl, aryl and heteroaryl groups are optionally substituted;

 R^{15} and R^{16} each independently is selected from among hydrogen, C_1 - C_8 alkyl, C_1 - C_8 haloalkyl, C_1 - C_8 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

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W is O or S; 
 X is N{R<sup>14</sup>}; 
 Y is selected from among O, S, N{R<sup>12</sup>} and NO{R<sup>12</sup>}; 
 Z is N{R<sup>12</sup>};
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Filed: February 22, 2002

n is 0; and

m is 0 or 1;

or a pharmaceutically acceptable salt thereof.

2. (Previously presented) A compound according to claim 1, wherein R² is selected from among F, Cl, Br, CF₃, CF₂Cl, CF₂H, CFH₂, substituted C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the haloalkyl and heteroalkyl groups are optionally substituted.

- 3. (Original) A compound according to claim 1, wherein R² is selected from among CF₂OR¹², CH₂OR¹², OR¹², SR¹², SOR¹², SO₂R¹² and NR¹²R¹³.
- 4. (Previously presented) A compound according to claim 1, wherein R² is selected from among F, Cl, Br, CF₃, CF₂Cl, CF₂H, CFH₂, substituted C₁-C₄ alkyl, C₁-C₄ haloalkyl, C₁-C₄ heteroalkyl, C₂-C₄ alkenyl and C₂-C₄ alkynyl, wherein the haloalkyl, heteroalkyl, alkenyl and alkynyl groups are optionally substituted.
- 5. (Previously presented) A compound according to claim 4, wherein R² is selected from among F, Cl, CF₃, CF₂Cl, CF₂H, CFH₂ and substituted C₁-C₄ alkyl.
- 6. (Currently amended) A compound according to claim 1, wherein R⁹ and R¹⁰ each independently is selected from among hydrogen, F, Cl, Br, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted.
- 7. (Previously presented) A compound according to claim 6, wherein R⁹ and R¹⁰ each independently is selected from among hydrogen, F, Cl, C₁-C₄ alkyl, C₁-C₄ haloalkyl and C₁-C₄ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted.
- 8. (Previously presented) A compound according to claim 7, wherein R⁹ and R¹⁰ each independently is selected from among hydrogen, F and CH₃.
- 9. (Currently amended) A compound according to claim 1, wherein R¹ is selected from among hydrogen, F, Cl, Br, I, <u>substituted</u> C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted.
- 10. (Previously presented) A compound according to claim 9, wherein R^{11} is selected from among hydrogen, F, Cl, C_1 - C_4 alkyl, C_1 - C_4 haloalkyl and C_1 - C_4 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted.
 - 11. (Original) A compound according to claim 9, wherein R¹ is hydrogen or F.

Filed: February 22, 2002

12. (Previously presented) A compound according to claim 1, wherein Y is O or S.

- 13. (Original) A compound according to claim 12, wherein Y is O.
- 14. (Previously presented) A compound according to claim 1, wherein R¹¹ is selected from among F, Cl, CN, OR¹⁴, NR¹⁴R¹³ and SR¹⁴.
- 15. (Previously presented) A compound according to claim 14, wherein R¹¹ is selected from among F, Cl, OR¹⁴, SR¹⁴ and NR¹⁴R¹³.
- 16. (Previously presented) A compound according to claim 15, wherein R¹¹ is selected from among F, Cl, OR¹⁴ and SR¹⁴.
 - 17. (Original) A compound according to claim 16, wherein R¹¹ is OR¹⁴.
 - 18-22. (Cancelled)
- 23. (Previously presented) A compound according to claim 1, wherein R^{12} is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_6 heteroalkyl, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, alkenyl, alkynyl, heteroaryl and aryl groups are optionally substituted.
- 24. (Previously presented) A compound according to claim 23, wherein R^{12} is selected from among hydrogen, C_1 - C_4 alkyl, C_1 - C_4 haloalkyl and C_1 - C_4 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted.
- 25. (Previously presented) A compound according to claim 1, wherein R^{13} is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_6 heteroalkyl, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, alkenyl, alkynyl, heteroaryl and aryl groups are optionally substituted.
- 26. (Previously presented) A compound according to claim 25, wherein R^{13} is selected from among hydrogen, C_1 - C_4 alkyl, C_1 - C_4 haloalkyl and C_1 - C_4 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted.
 - 27-29. (Cancelled)
 - 30. (Currently amended) A compound according to claim 1, wherein:
- R^3 and R^4 each independently is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_1 - C_6 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted; or

Applicant: Lin Zhi et al. Attorney's Docket No.: 18202-017001 / 1081

Serial No.: 10/080,926

Amendment and Response

Filed: February 22, 2002

R³ and R⁵ taken together form a bond; or

R⁴ and R⁶ taken together form a four to six membered saturated or unsaturated carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring are optionally substituted.

- 31. (Previously presented) A compound according to claim 30, wherein R^3 and R^4 each independently is selected from among hydrogen, C_1 - C_4 alkyl, C_1 - C_4 haloalkyl and C_1 - C_4 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted.
 - 32. (Previously presented) A compound according to claim 1, wherein:

 R^5 and R^7 each independently is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_1 - C_6 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted; or

R⁵ and R⁷ taken together form a bond.

- 33. (Previously presented) A compound according to claim 32, wherein R^5 and R^7 each independently is selected from among hydrogen, C_1 - C_4 alkyl, C_1 - C_4 haloalkyl and C_1 - C_4 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted.
 - 34. (Currently amended) A compound according to claim 1, wherein:

 R^6 and R^8 each independently is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_6 heteroalkyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, heteroaryl and aryl groups are optionally substituted; or

R⁶ and R⁸ taken together form a three to eight membered saturated or unsaturated carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring is optionally substituted.

35. (Currently amended) A compound according to claim 34, wherein:

 R^6 and R^8 each independently is selected from among hydrogen, C_1 - C_4 alkyl, C_1 - C_4 haloalkyl, C_1 - C_4 heteroaryl and aryl, wherein alkyl, haloalkyl, heteroaryl and aryl are optionally substituted; or

R⁶ and R⁸ taken together form a four to six membered saturated or unsaturated carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring is optionally substituted.

36. (Currently amended) A compound according to claim 1, wherein:

 R^1 is selected from among hydrogen, F, Cl, Br, I, <u>substituted</u> C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_1 - C_6 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

Filed: February 22, 2002

 R^2 is selected from among F, Cl, Br, CF₃, CF₂Cl, CF₂H, CFH₂, substituted C₁-C₆ alkyl; C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein haloalkyl and heteroalkyl groups are optionally substituted; and

 R^3 and R^4 each independently is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_1 - C_6 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted.

37. (Currently amended) A compound according to claim 36, wherein:

 R^5 through R^8 each independently is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_1 - C_6 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted; or

R⁶ and R⁸ taken together form a four to six membered saturated or unsaturated carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring are optionally substituted.

38. (Previously presented) A compound according to claim 37, wherein:

 R^9 and R^{10} each independently is selected from among hydrogen, F, Cl, Br, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_1 - C_6 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

 R^{12} is selected from among hydrogen, C_1 - C_6 alkyl C_1 - C_6 haloalkyl and C_1 - C_6 heteroalkyl, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, alkenyl, alkynyl, heteroaryl and aryl groups are optionally substituted; and

 R^{14} is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_6 heteroalkyl, $C(O)R^{15}$, CO_2R^{15} and $C(O)NR^{15}R^{16}$, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted.

- 39. (Previously presented) A compound according to claim 38, wherein Y is O or S.
- 40. (Currently amended) A compound according to claim 1, wherein said compound is selected from among:
 - 6-Methyl-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
 - 5-Isopropyl-6-methyl-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
 - 5-Allyl-6-methyl-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
 - 5-(4-Methoxyphenyl)-6-methyl-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 5-(3-Trifluoromethylphenyl)-6-methyl-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;

Filed: February 22, 2002

4-Trifluoromethyl-5,6,7,8-tetrahydrocyclopentano[g]pyrrolo[3,2-f]quinolin-2(1H)-one;

- 4-Trifluoromethyl-5,6,7,8,9,10-hexahydrocycloheptano[g]pyrrolo[3,2-f]quinolin-2(1H)-one;
- (±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-trifluoroethyl-4-trifluoromethylcyclopentano[g]pyrrolo-[3,2-f]quinolin-2(1*H*)-one;
- (±) 6,6a,7,8,9,9a(cis) Hexahydro-6 trifluoroethyl 4 trifluoromethylcyclopentano[i]pyrrole-[2,3-g]quinolin 2(1H) one;
- (±)-4c,5,6,7,7a(cis),8-Hexahydro-8-ethyl-4-trifluoromethylcyclopentano-[g]pyrrolo[3,2-f]-quinolin-2(1H)-one;
- (±) 6,6a,7,8,9,9a(cis) Hexahydro 6 ethyl 4 trifluoromethylcyclopentano [i]pyrrolo[2,3-g]-quinolin 2(1H) one;
- (±)-5,6-Dihydro-5,6-cis-dimethyl-7-trifluoroethyl (2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]-quinolin-2(1*H*)-one;
- (±)-7,8-Dihydro-7,8-cis-dimethyl-6-trifluoroethyl-4-trifluoromethyl-6H-pyrrolo[2,3-g]-quinolin-2(1H)-one;
- (±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-propyl-4-trifluoromethylcyclopentano-[g]pyrrolo-[3,2-f]quinolin-2(1*H*)-one;
- (±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-(3-furanylmethyl)-4 trifluoromethylcyclopentano[g]-pyrrolo[3,2-f]quinolin-2(1*H*)-one;
- (±)-4c,5,6,7,7a(cis),8-Hexahydro-8-(3-thiophenemethyl)-4-trifluoromethylcyclopentano[g]-pyrrolo[3,2-f]quinolin-2(1H)-one;
- (±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-(2-methylpropyl)-4-trifluoromethylcyclopentano[g]-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-(2,2,2-chlorodifluoro-ethyl)-4-trifluoromethylcyclo-pentano[g]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-cyclopropylmethyl-4-trifluoromethylcyclopentano[g]-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-(2,2-dimethoxyethyl)-4-trifluoromethylcyclo-pentano[g]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (±)-4c,5,6,7,8,8a(*cis*)-Hexahydro-9-(2,2,2-trifluoroethyl)-4-trifluoromethyl-9*H*-cyclo-hexano[g]pyrrolo[3,2-f]quinolin-2(1*H*)-one;
- (±)-4c,5,6,7,8,9,9a(*cis*),10-Octahydro-10-(2,2,2-trifluoroethyl)-4-trifluoromethylcycloheptano[g]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;

Filed: February 22, 2002

(±)-5,6-*cis*-Dihydro-6-ethyl-5-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;

- (±)-5,6-cis-Dihydro-5-butyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-f]quinolin-2(1*H*)-one;
- (±)-5,6-*cis*-Dihydro-5-(4-nitrophenyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (±)-5,6-cis-Dihydro-5-(4-dimethylaminophenyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (±)-5,6-*cis*-Dihydro-5-(4-methoxyphenyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (±)-5,6-*cis*-Dihydro-5-(3-trifluoromethylphenyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (±)-5,6-*cis*-Dihydro-5-(4-fluorophenyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (±)-5,6-Dihydro-5-phenyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]-quinolin-2(1*H*)-one;
- (±)-5,6-cis-Dihydro-5-(4-methoxyphenyl)-6-methyl-4-trifluoromethyl-7H-pyrrolo[3,2-f]-quinolin-2(1H)-one;
- (±)-5,6-cis-Dihydro-5-(4-methoxyphenyl)-6-methyl-7-(2,2-dimethoxyethyl)-4-trifluoro-methyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (±)-5,6-cis-Dihydro-5-isopropyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (\pm)-5,6-Dihydro-5-ethyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo-[3,2-*f*]quinolin-2(1*H*)-one;
- (±)-5,6-Dihydro-5-ethyl-6-propyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo-[3,2-*f*]quinolin-2(1*H*)-one;
- (±)-5,6-Dihydro-5-(2-ethoxycarbonylethyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
 - $5,6- Dimethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7 \\ H-pyrrolo[3,2-f] quino lin-2(1 \\ H)-one;$
 - 6-Methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 6-Ethyl-5-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;

Filed: February 22, 2002

5-Ethyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;

- 5-Ethyl-6-propyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)one;
- 5,6,7,8-Tetrahydro-8-trifluoroethyl (2,2,2-trifluoroethyl)-4-trifluoromethylcyclopentano[g]-pyrrolo[3,2-f]-quinolin-2(1H)-one;
- 8-Trifluoroethyl-4-trifluoromethyl-6,8-dihydrocyclopentano[g]pyrrolo[3,2-f]quinolin-2(1H)-one;
 - 9-Trifluoroethyl-4-trifluoromethyl-9H-benzo[g]pyrrolo[3,2-f]quinolin-2(1H)-one;
- 6-Trifluoroethyl-4-trifluoromethyl-6,7,8,9-tetrahydrocyclopetano[i]-pyrrolo[2,3-g]-quinolin-2(1*H*)-one;
- 5-(3-Trifluoromethylphenyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 5-(4-Fluorophenyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]-quinolin-2(1*H*)-one;
- 5-(2-Ethoxycarbonylethyl)-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 7 Ethyl 8 methyl 6 (2,2,2 trifluoroethyl) 4 trifluoromethyl 6*H* pyrrolo [2,3-*g*]quinolin 2(1*H*) one;
- 5-Hydroxymethyl-6-ethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]-quinolin-2(1*H*)-one;
- 5-Methyl-6-(1-hydroxyethyl)-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]-quinolin-2(1*H*)-one;
- 5-Methyl-6-acetyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 5-Formyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 5-Acetyloxymethyl-6-ethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]-quinolin-2(1*H*)-one;
- 2-Acetyloxy-5-hydroxymethyl-6-ethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinoline;
 - 6-Ethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;

Filed : February 22, 2002

5-Ethoxymethyl-6-ethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]-quinolin-2(1*H*)-one;

- (+)-6-(1-Methoxyethyl)-5-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
 - 7-Allyl-6-methyl-4-trifluoromethyl-5*H*-pyrrolo[2,3-*f*]quinolin-2(1*H*)-one;
 - 6-Ethyl-7-methyl-4-trifluoromethyl-5*H*-pyrrolo[2,3-*f*]quinolin-2(1*H*)-one;
- 7-(3-Trifluoromethylphenyl)-6-methyl-4-trifluoromethyl-5*H*-pyrrolo[2,3-*f*]quinolin-2(1*H*)-one;
 - 7-(2-Hydroxyethyl)-6-methyl-4-trifluoromethyl-5*H*-pyrrolo[2,3-*f*]quinolin-2(1*H*)-one;
- (+)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-trifluoroethyl (2,2,2-trifluoroethyl)-4-trifluoromethyl-cyclopentano-[g]-pyrrolo[3,2-f]quinolin-2(1*H*)-one;
- (–)-4c,5,6,7,7a(*cis*),8-Hexahydro-8–trifluoroethyl (2,2,2-trifluoroethyl)-4-trifluoromethyl-cyclopentano-[g]-pyrrolo[3,2-f]quinolin-2(1*H*)-one;
 - (\pm) -5,6-Dihydro-6-hydroxymethyl-4-trifluoromethylpyrrolo[3,2-f]quinolin-2(1H)-one;
 - (\pm) -5,6-Dihydro-7-ethyl-6-hydroxymethyl-4-trifluoromethylpyrrolo[3,2-f]quinolin-2(1H)-one;
 - 7,8-Dihydro-6-(2,2,2-trifluoroethyl)-4-trifluoromethylpyrrolo[2,3-g]quinolin-2(1H)-one;
 - 6-(2,2,2-Trifluoroethyl)-4-trifluoromethylpyrrolo[2,3-g]quinolin-2(1H) one;
 - 8 Chloro 6 (2,2,2 trifluoroethyl) 4 trifluoromethylpyrrolo[2,3 g]quinolin 2(1H) one;
 - 5-Methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethylpyrrolo[3,2-f]quinolin-2(1H)-one;
- 6-Formyl-5-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one; and
 - 5,6-Dimethyl-7-(2,2-difluorovinyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one.
- 41. (Currently amended) A compound according to claim 1, wherein said compound is selected from the group consisting of:
- (±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8--trifluoroethyl (2,2,2-trifluoroethyl)-4-trifluoromethyl-cyclopentano-[g]pyrrolo-[3,2-f]quinolin-2(1*H*)-one;
- (±) 6,6a,7,8,9,9a(*eis*) Hexahydro 6 trifluoroethyl 4 trifluoromethylcyclopentano[i]pyrrolo-[2,3-glquinolin 2(1*H*) one;
- (±)-4c,5,6,7,7a(cis),8-Hexahydro-8-ethyl-4-trifluoromethylcyclopentano-[g]pyrrolo[3,2-f]-quinolin-2(1H)-one;
- (±)-5,6-Dihydro-5,6-cis-dimethyl-7-trifluoroethyl-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]-quinolin-2(1*H*)-one;

Filed: February 22, 2002

(±) 7,8 Dihydro 7,8 cis dimethyl 6 trifluoroethyl 4 trifluoromethyl 6H pyrrolo[2,3 g] quinolin 2(1H) one;

- (\pm)-4c,5,6,7,7a(cis),8-Hexahydro-8-propyl-4-trifluoromethylcyclopentano-[g]pyrrolo-[3,2-f]quinolin-2(1H)-one;
- (±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-(2,2,2-chlorodifluoroethyl)-4-trifluoromethylcyclopentano-[g]-pyrrolo[3,2-f]quinolin-2(1H)-one;
- (±)-4c,5,6,7,7a(*cis*),8-Hexahydro-8-cyclopropylmethyl-4-trifluoromethyl-cyclopentano[g]-pyrrolo[3,2-f]quinolin-2(1*H*)-one;
- (±)-4c,5,6,7,8,8a(*cis*)-Hexahydro-9-(2,2,2-trifluoroethyl)-4-trifluoromethyl-9*H*-cyclo-hexano[g]pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (\pm)-5,6-cis-Dihydro-6-ethyl-5-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7H-pyrrolo[3,2-f]quinolin-2(1H)-one;
- (±)-5,6-cis-Dihydro-5-butyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (\pm)-5,6-Dihydro-5-ethyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (±)-5,6-Dihydro-5-ethyl-6-propyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- (\pm)-5,6-cis-Dihydro-5-methyl-6-ethyl-7-(2,2,2-trifluoroethyl)-7H-pyrrolo[3,2-f]-quinolin-2(1H)-one;
 - 5,6-Dimethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
 - 6-Methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 6-Ethyl-5-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 5-Ethyl-6-methyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-*f*]quinolin-2(1*H*)-one;
- 5,6,7,8-Tetrahydro-8-trifluoroethyl-4-trifluoromethylcyclopentano[g]pyrrolo[3,2-f]-quinolin-2(1*H*)-one;
- 6-Trifluoroethyl-4 trifluoromethyl-6,7,8,9 tetrahydrocyclopetano[i]pyrrolo[2,3-g]-quinolin-2(1*H*)-one;
- 7-Ethyl-8-methyl-6-(2,2,2-trifluoroethyl)-4-trifluoromethyl-6*H*-pyrrolo[2,3-*g*]quinolin-2(1*H*)-one;
 - 6-Ethyl-7-(2,2,2-trifluoroethyl)-4-trifluoromethyl-7*H*-pyrrolo[3,2-f]quinolin-2(1*H*)-one;

Attorney's Docket No.: 18202-017001 / 1081

Applicant: Lin Zhi et al. Serial No.: 10/080,926 Amendment and Response

: February 22, 2002

(+)-4c,5,6,7,7a(cis),8-Hexahydro-8-trifluoroethyl (2,2,2-trifluoroethyl)-4-trifluoromethylcyclopentano-[g]-pyrrolo[3,2-f]quinolin-2(1H)-one; and

(-)-4c,5,6,7,7a(cis),8-Hexahydro-8-trifluoroethyl (2,2,2-trifluoroethyl)-4-trifluoromethylcyclopentano-[g]pyrrolo[3,2-f]quinolin-2(1H)-one.

42. (Currently amended) A pharmaceutical composition, comprising:

a pharmaceutically acceptable carrier; and

a compound of formula:

Attorney's Docket No.: 18202-017001 / 1081
Amendment and Response

Applicant: Lin Zhi et al.
Serial No.: 10/080,926
Filed: February 22, 2002

wherein:

 R^1 is selected from among hydrogen, F, Cl, Br, I, NO₂, OR^{12} , SR^{12} , SOR^{12} , SO_2R^{12} , $NR^{12}R^{13}$, C_1 - C_8 alkyl, C_1 - C_8 haloalkyl and C_1 - C_8 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

R² is selected from among F, Cl, Br, I, CF₃, CHF₂, CH₂F, CF₂Cl, CN, CF₂OR¹², CH₂OR¹², OR¹², SR¹², SOR¹², SO₂R¹², NR¹²R¹³, substituted C₁-C₈ alkyl, C₁-C₈ haloalkyl, C₁-C₈ heteroalkyl, C₂-C₈ alkenyl and C₂-C₈ alkynyl, wherein the haloalkyl, heteroalkyl, alkenyl and alkynyl groups are optionally substituted;

R³-through R⁸-each independently is selected from among hydrogen, F, Cl, Br, I, OR¹², NR¹²R¹³, SR¹², SOR¹², SO₂R¹², C₁-C₈ alkyl, C₁-C₈ haloalkyl, C₁-C₈ heteroalkyl, C₂-C₈ alkynyl, C₂-C₈ alkenyl, aryl, heteroaryl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl, alkynyl, alkenyl, aryl, heteroaryl and arylalkyl groups are optionally substituted;

 R^3 is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_1 - C_6 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

R⁴ is selected from among hydrogen, F, Cl, Br, I, OR¹², NR¹²R¹³, SR¹², SOR¹², SO₂R¹², C₁-C₈ alkyl, C₁-C₈ haloalkyl, C₁-C₈ heteroalkyl, C₂-C₈ alkynyl, C₂-C₈ alkenyl, aryl, heteroaryl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl, alkynyl, alkenyl, aryl, heteroaryl and arylalkyl groups are optionally substituted;

 R^5 is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_1 - C_6 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

R⁶ is selected from among hydrogen, F, Cl, Br, I, OR¹², NR¹²R¹³, SR¹², SOR¹², SO₂R¹², C₁-C₈ alkyl, C₁-C₈ haloalkyl, C₁-C₈ heteroalkyl, C₂-C₈ alkynyl, C₂-C₈ alkenyl, aryl, heteroaryl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl, alkynyl, alkenyl, aryl, heteroaryl and arylalkyl groups are optionally substituted;

Applicant: Lin Zhi et al.

Attorney's Docket No.: 18202-017001 / 1081

Serial No.: 10/080,926

Amendment and Response

Serial No.: 10/080,926 Filed: February 22, 2002

 R^7 is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_1 - C_6 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

R⁸ is selected from among hydrogen, F, Cl, Br, I, OR¹², NR¹²R¹³, SR¹², SOR¹², SO₂R¹², C₁-C₈ alkyl, C₁-C₈ haloalkyl, C₁-C₈ heteroalkyl, C₂-C₈ alkynyl, C₂-C₈ alkenyl, aryl, heteroaryl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl, alkynyl, alkenyl, aryl, heteroaryl and arylalkyl groups are optionally substituted; or

R³ and R⁵ taken together form a bond; or

R⁵ and R⁷ taken together form a bond; or

R⁴ and R⁶ taken together form a three- to eight-membered saturated or unsaturated carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring is optionally substituted; or

R⁶ and R⁸ taken together form a three- to eight-membered saturated or unsaturated carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring is optionally substituted;

 R^9 and R^{10} each independently is selected from among hydrogen, F, Cl, Br, I, CN, OR^{12} , $NR^{12}R^{13}$, $C_m(R^{12})_{2m}OR^{13}$, SR^{12} , SOR^{12} , SO_2R^{12} , $NR^{12}C(O)R^{13}$, C_1 - C_8 alkyl, C_1 - C_8 haloalkyl, C_1 - C_8 heteroalkyl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl and arylalkyl groups are optionally substituted;

R¹¹ is selected from among hydrogen, F, Br, Cl, I, CN, OR¹⁴, NR¹⁴R¹³ and SR¹⁴;

 R^{12} and R^{13} each independently is selected from among hydrogen, C_1 - C_8 alkyl, C_1 - C_8 haloalkyl, C_1 - C_8 heteroalkyl, C_2 - C_8 alkenyl, C_2 - C_8 alkynyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, alkenyl, alkynyl, heteroaryl and aryl groups are optionally substituted;

 R^{14} is selected from among hydrogen, C_1 - C_8 alkyl, C_1 - C_8 haloalkyl, C_1 - C_8 heteroalkyl, aryl, heteroaryl, $C(O)R^{15}$, $CO2R^{15}$ and $C(O)NR^{15}R^{16}$, wherein the alkyl, haloalkyl, heteroalkyl, aryl and heteroaryl groups are optionally substituted;

 R^{15} and R^{16} each independently is selected from among hydrogen, C_1 - C_8 alkyl, C_1 - C_8 haloalkyl, C_1 - C_8 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

```
W is O or S; 
X is N\{R^{14}\}; 
Y is selected from among O, S, N\{R^{12}\} and N\{OR^{12}\}; 
Z is N\{R^{12}\};
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Attorney's Docket No.: 18202-017001 / 1081 Applicant: Lin Zhi et al. Amendment and Response

Serial No.: 10/080,926

Filed : February 22, 2002

n is 0; and

m is 0 or 1;

or a pharmaceutically acceptable salt thereof.

- 43. (Original) A pharmaceutical composition according to claim 42, wherein the carrier is suitable for enteral, parenteral, suppository, or topical administration.
- 44. (Previously presented) A pharmaceutical composition according to claim 42, wherein R¹ is selected from among hydrogen, F, Cl, Br, I, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted.
- 45. (Previously presented) A pharmaceutical composition according to claim 44, wherein R¹ is selected from among hydrogen, F, Cl, C₁-C₄ alkyl, C₁-C₄ haloalkyl and C₁-C₄ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted.
- 46. (Currently amended) A pharmaceutical composition according to claim 42, wherein R² is selected from among hydrogen, F, Cl, Br, CF₃, CF₂Cl, CF₂H, CFH₂, substituted C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the haloalkyl and heteroalkyl groups are optionally substituted.
- 47. (Previously presented) A pharmaceutical composition according to claim 46, wherein R² is selected from among F, Cl, Br, CF₃, CF₂Cl, CF₂H, CFH₂, substituted C₁-C₄ alkyl, C_1 - C_4 haloalkyl and C_1 - C_4 heteroalkyl, wherein the haloalkyl and heteroalkyl groups are optionally substituted.
- 48. (Previously presented) A pharmaceutical composition according to claim 42, wherein R⁹ and R¹⁰ each independently is selected from among hydrogen, F, Cl, Br, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted.
- 49. (Previously presented) A pharmaceutical composition according to claim 48, wherein R⁹ and R¹⁰ each independently is selected from among hydrogen, F and CH₃.
- 50. (Previously presented) A pharmaceutical composition according to claim 42, wherein R¹¹ is selected from among F, Cl, CN, OR¹⁴, NR¹⁴R¹³ and SR¹⁴.
- 51. (Previously presented) A pharmaceutical composition according to claim 50, wherein R¹¹ is selected from among F, Cl, OR¹⁴, SR and NR¹⁴R¹³.

Applicant: Lin Zhi et al. Attorney's Docket No.: 18202-017001 / 1081

Serial No.: 10/080,926

Filed: February 22, 2002

Amendment and Response

52. (Previously presented) A pharmaceutical composition according to claim 42, wherein Y is O or S.

Claims 53 and 54 (Cancelled)

55. (Previously presented) A pharmaceutical composition according to claim 42, wherein R^{12} is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_6 heteroalkyl, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, alkenyl, alkynyl, heteroaryl and aryl groups are optionally substituted.

56. (Cancelled)

57. (Currently amended) A pharmaceutical composition according to claim 42, wherein:

 R^3 and R^4 each independently is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_1 - C_6 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted; or

R³ and R⁵ taken together form a bond; or

R⁴ and R⁶ taken together form a four to six membered carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring is optionally substituted.

58. (Previously presented) A pharmaceutical composition according to claim 42, wherein:

 R^5 and R^7 each independently is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_1 - C_6 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted; or

R⁵ and R⁷ taken together form a bond.

59. (Currently amended) A pharmaceutical composition according to claim 42, wherein:

R⁶ and R⁸ each independently is selected from among hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl, C₁-C₆ heteroalkyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, heteroaryl and aryl groups are optionally substituted; or

R⁶ and R⁸ taken together form a three to eight membered saturated or unsaturated carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring is optionally substituted.

60. (Currently amended) A pharmaceutical composition according to claim 42, wherein:

R¹ is selected from among hydrogen, F, Cl, Br, I, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

Applicant: Lin Zhi et al. Attorney's Docket No.: 18202-017001 / 1081 Serial No.: 10/080,926 Amendment and Response

Filed : February 22, 2002

R² is selected from among hydrogen, F, Cl, Br, CF₃, CF₂Cl, CF₂H, CFH₂, substituted C₁-C₆ alkyl; C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the haloalkyl and heteroalkyl groups are optionally substituted; and

R³ and R⁴ each independently is selected from among hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted.

61. (Currently amended) A pharmaceutical composition according to claim 60, wherein:

R⁵ through R⁸ each independently is selected from among hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted; or

R⁶ and R⁸ taken together form a four to six membered saturated or unsaturated carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring is optionally substituted.

62. (Previously presented) A pharmaceutical composition according to claim 61, wherein: R⁹ and R¹⁰ each independently is selected from among hydrogen, F, Cl, Br, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

R¹² is selected from among hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl and C₁-C₆ heteroalkyl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, alkenyl, alkynyl, heteroaryl and aryl groups are optionally substituted; and

R¹⁴ is selected from among hydrogen, C₁-C₆ alkyl, C₁-C₆ haloalkyl, C₁-C₆ heteroalkyl, C(O)R¹⁵, CO₂R¹⁵ and C(O)NR¹⁵R¹⁶, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted.

63. (Previously presented) A pharmaceutical composition according to claim 62, wherein Y is O or S.

64-97. (Cancelled)

98. (Currently amended) A compound of formula:

Attorney's Docket No.: 18202-017001 / 1081

Applicant: Lin Zhi et al. Serial No.: 10/080,926 Filed : February 22, 2002

R1

R¹¹

Amendment and Response

Filed : February 22, 2002

wherein:

 R^1 is selected from among hydrogen, F, Cl, Br, I, NO₂, OR^{12} , SR^{12} , SOR^{12} , SO_2R^{12} , $NR^{12}R^{12}$, C_1 - C_8 alkyl, C_1 - C_8 haloalkyl and C_1 - C_8 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

 R^2 is selected from among F, Cl, Br, I, CF₃, CHF₂, CH₂F, CF₂Cl, ICN, CF₂OR¹², CH₂OR, OR¹², SR¹², SOR¹², SO₂R¹², NR¹²R¹³, substituted IC₁-IC₆ alkyl selected from among ethyl, IPropyl, isopropyl, isopropyl, IPropyl, isopropyl, IPropyl, isopropyl, isopropyl, isopropyl, IPropyl, isopropyl, is

R³-through R⁸-each independently is selected from among hydrogen, F, Cl, Br, I, OR¹², NR¹²R¹³, SR¹², SOR¹², SO₂R¹², C₁-C₈-alkyl, C₁-C₈-haloalkyl, C₁-C₈-heteroalkyl, C₂-C₈-alkynyl, C₂-C₈-alkenyl, aryl, heteroaryl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl, alkynyl, alkenyl, aryl, heteroaryl and arylalkyl groups are optionally substituted;

 R^3 is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_1 - C_6 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

 R^4 is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_1 - C_6 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

 R^5 is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_1 - C_6 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

 R^6 is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_6 heteroalkyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, heteroaryl and aryl groups are optionally substituted;

 R^7 is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_1 - C_6 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

 R^8 is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_6 heteroalkyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, heteroaryl and aryl groups are optionally substituted; or

 R^3 and R^5 taken together form a bond; or

R⁵ and R⁷ taken together form a bond; or

R⁴ and R⁶ taken together form a three- to eight-membered saturated or unsaturated carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring is optionally substituted; or

Serial No.: 10/080,926 Filed: February 22, 2002

R⁶ and R⁸ taken together form a three- to eight-membered saturated or unsaturated carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring is optionally substituted;

 R^9 and R^{10} each independently is selected from among hydrogen, F, Cl, Br, I, CN, OR^{12} , $NR^{12}R^{13}$, $C_m(R^{12})_{2m}OR^{13}$, SR^{12} , SOR^{12} , SO_2R^{12} , $NR^{12}C(O)R^{13}$, C_1 - C_8 alkyl, C_1 - C_8 haloalkyl, C_1 - C_8 heteroalkyl and arylalkyl, wherein the alkyl, haloalkyl, heteroalkyl and arylalkyl groups are optionally substituted;

R¹¹ is selected from among F, Br, Cl, I, CN, OR¹⁴, NR¹⁴R¹³, and SR¹⁴;

 R^{12} and R^{13} each independently is selected from among hydrogen, C_1 - C_8 alkyl, C_1 - C_8 haloalkyl, C_1 - C_8 heteroalkyl, C_2 - C_8 alkenyl, C_2 - C_8 alkynyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, alkenyl, alkynyl, heteroaryl and aryl groups are optionally substituted;

 R^{14} is selected from among hydrogen, C_1 - C_8 alkyl, C_1 - C_8 haloalkyl, C_1 - C_8 heteroalkyl, aryl, heteroaryl, $C(O)R^{15}$, CO_2R^{15} and $C(O)NR^{15}R^{16}$, wherein the alkyl, haloalkyl, heteroalkyl, aryl and heteroaryl groups are optionally substituted;

 R^{15} and R^{16} each independently is selected from among hydrogen, C_1 - C_8 alkyl, C_1 - C_8 haloalkyl, C_1 - C_8 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted;

```
W is O or S;  X \text{ is } N\{R^{14}\};   Y \text{ is selected from the group of O, S, } N\{R^{12}\} \text{ and } NO\{R^{12}\};   Z \text{ is } N\{R^{12}\};   n \text{ is 0; and }   m \text{ is 0 or 1; }
```

or a pharmaceutically acceptable salt thereof.

- 99. (Cancelled).
- 100. (Previously presented) A compound according to claim 98, wherein R^1 is selected from among hydrogen, F, Cl, Br, I, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_1 - C_6 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted.
- 101. (Previously presented) A compound according to claim 98, wherein R^9 and R^{10} each independently is selected from among hydrogen, F, Cl, Br, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_1 - C_6 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted.

Filed: February 22, 2002

102. (Previously presented) A compound according to claim 98, wherein R^{11} is selected from among F, Cl, CN, OR^{14} , $NR^{14}R^{13}$ and SR^{14} .

- 103. (Previously presented) A compound according to claim 98, wherein Y is O or S.
- 104. (Previously presented) A compound according to claim 98, wherein R^{12} is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_6 heteroalkyl, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, alkenyl, alkynyl, heteroaryl and aryl groups are optionally substituted.
 - 105. (Currently amended) A compound according to claim 98, wherein:

 R^3 and R^4 each independently is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_1 - C_6 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted; or

R³ and R⁵ taken together form a bond; or

R⁴ and R⁶ taken together form a four to six membered carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring is optionally substituted.

106. (Previously presented) A compound according to claim 42, wherein:

 R^5 and R^7 each independently is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_1 - C_6 heteroalkyl, wherein the alkyl, haloalkyl and heteroalkyl groups are optionally substituted; or

R⁵ and R⁷ taken together form a bond.

107. (Currently amended) A compound according to claim 42, wherein:

 R^6 and R^8 each independently is selected from among hydrogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_6 heteroalkyl, heteroaryl and aryl, wherein the alkyl, haloalkyl, heteroalkyl, heteroaryl and aryl groups are optionally substituted; or

R⁶ and R⁸ taken together form a three to eight membered saturated or unsaturated carbocyclic or heterocyclic ring, wherein the carbocyclic or heterocyclic ring is optionally substituted.